

FIG. 1

## WEATHER HISTORY 108

YEAR	MA	DATA TYPE	P1	P2	P3	P4	P5	P6
1994	MSA 100	TEMP. SEA	46	47	50	51	54	55
1995	MSA 100	TEMP. SEA	46	47	49	51	53	55
1994	MSA 100	SNOW. SEA	0.7	0.2	0.2	0.1	0	0.1
1995	MSA 100	SNOW. SEA	0.8	0.2	0.2	0.1	0	0
1994	MSA 100	PREC. SEA	1.01	1.03	1.08	1.1	1.12	1.1
1995	MSA 100	PREC. SEA	1.01	1.03	1.07	1.1	1.12	1.1
1994	MSA 100	SNOW	0	0	0	0	1.2	0
1995	MSA 100	SNOW	0	0	0	0	0	0
1994	MSA 100	PREC	1.5	0.4	0.9	1.3	1.7	0.3
1995	MSA 100	PREC	1.1	0.01	2.68	1.78	0.48	0.01
1994	MSA 100	TEMP	49	43	45	47	50	42
1995	MSA 100	TEMP	53	51	56	50	58	54
1994	MSA 100	TEMP. CAT	1	-1	-1	-1	-1	-1
1995	MSA 100	TEMP. CAT	1	1	1	0	1	-1
1994	MSA 100	PREC. CAT	1	-1	-1	1	1	-1
1995	MSA 100	PREC. CAT	1	-1	1	1	-1	-1

205

FIG. 2

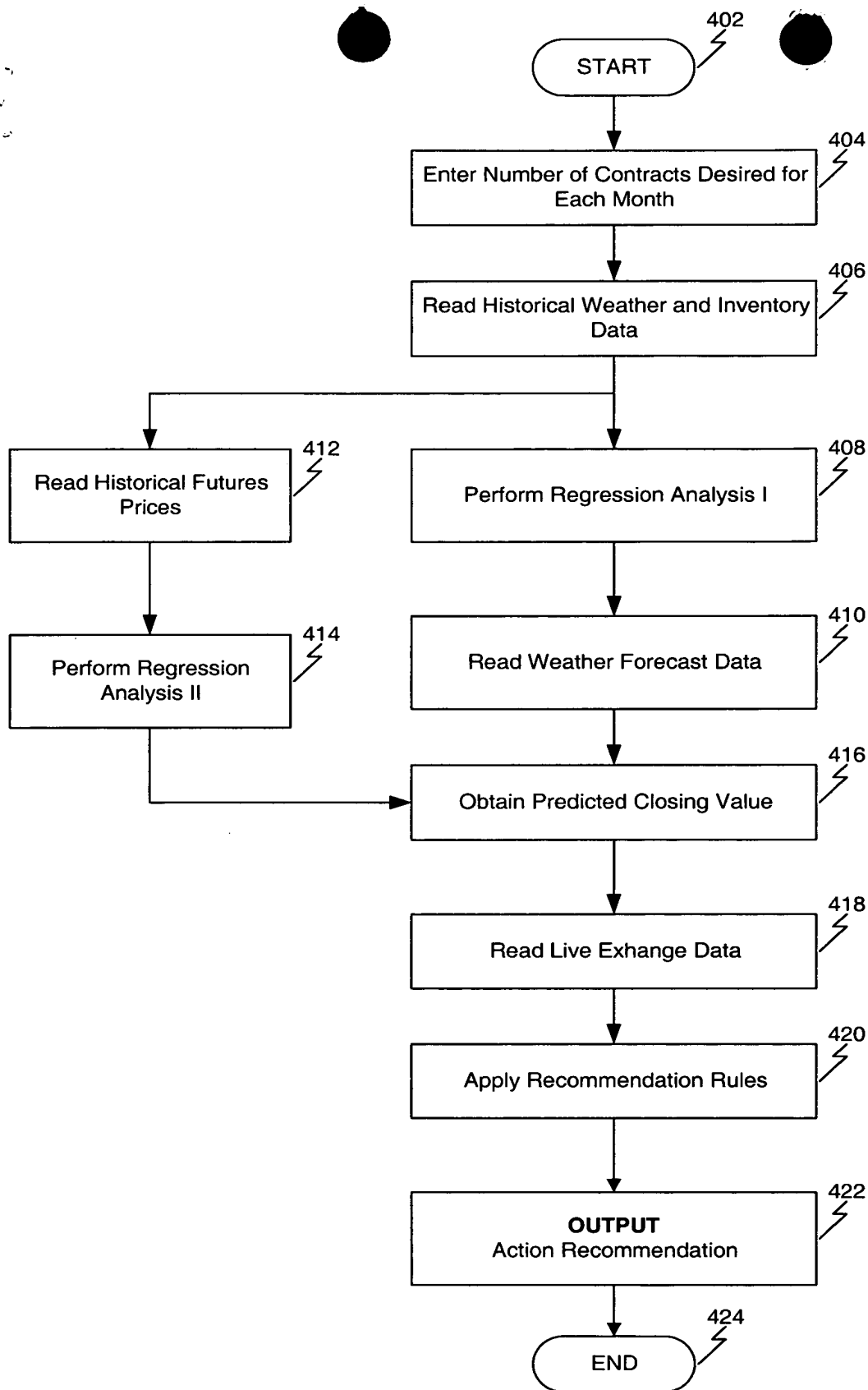
10

YEAR	MA	DATA TYPE	P1	P2	P3	P4	P5	P6
N+1	MSA 100	SNOW	0.9	0.4	0.3	0.2	0	0
N+1	MSA 100	PREC	1.1	1.05	1.05	1.00	1.15	1.2
N+1	MSA 100	TEMP	48	49	50	53	55	57
N+1	MSA 100	TEMP.CAT	1	1	1	1	1	-1
N+1	MSA 100	PREC.CAT	1	1	-1	-1	1	1
N+1	MSA 100	SNOW.CAT	1	0	0	1	0	0
N+1	MSA 100	SNOW.SEA	0.8	0.4	0.3	0.1	0	0
N+1	MSA 100	PREC.SEA	1.00	1.03	1.06	1.05	1.10	1.1
N+1	MSA 100	TEMP.SEA	47	47	49	52	54	55

WEATHER FORECAST DATA, 1966

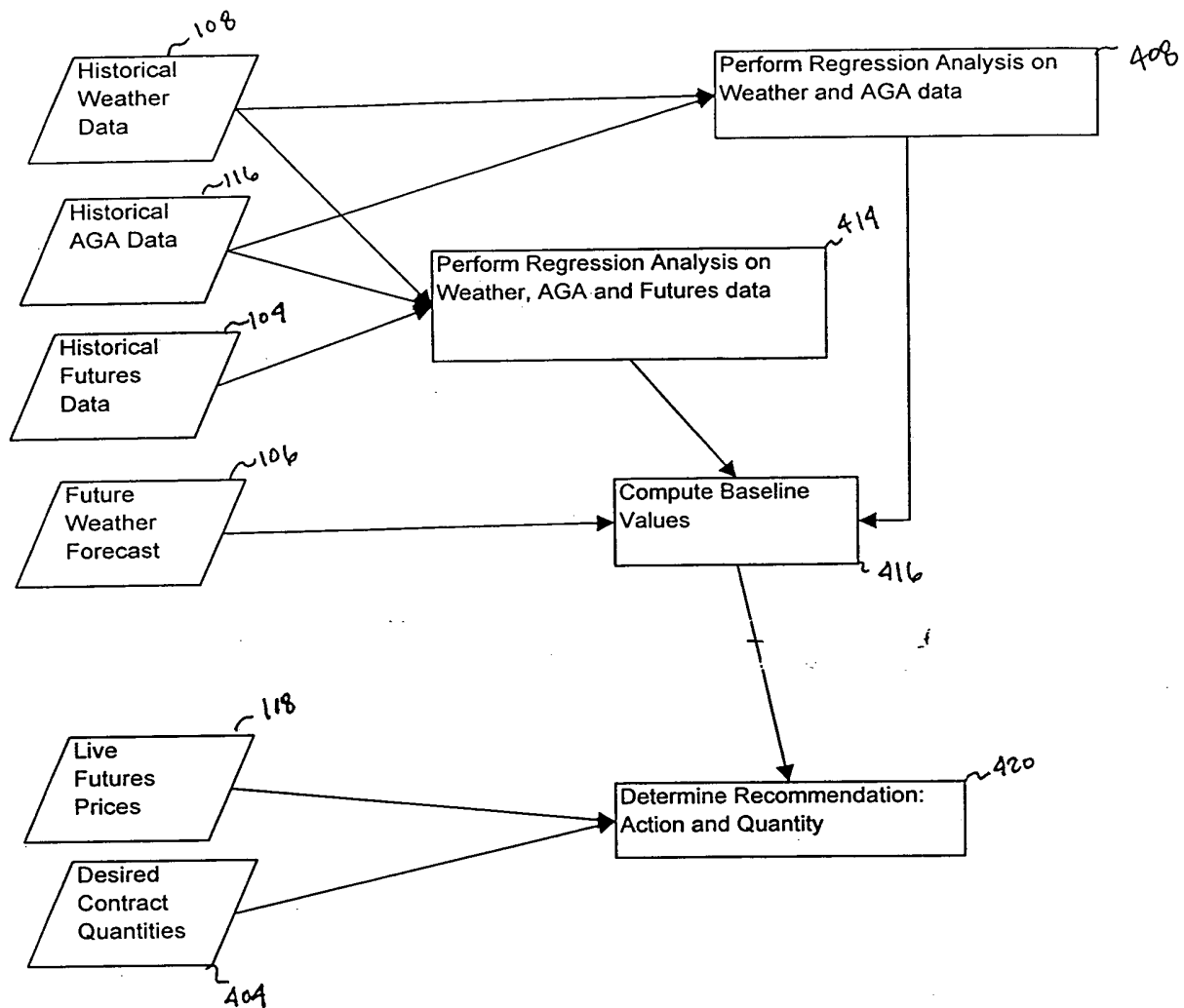
FIG. 3

0002-15.vsd



**FIG. 4A**

400



Gas Buyer

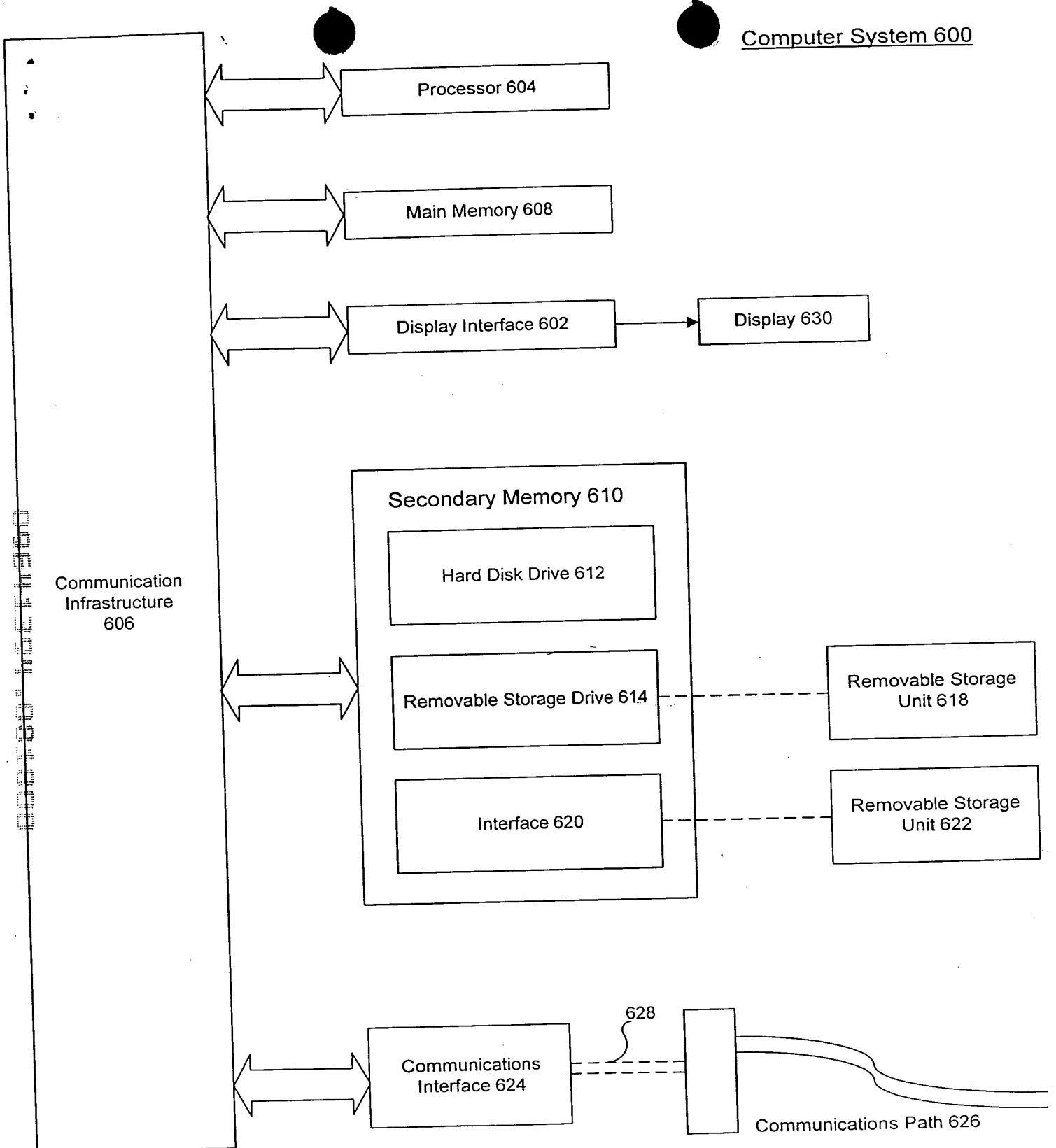
Today's date 11-Feb-99

days left	Month	Futures current	change	Volatill	Recommend	#	Option Premium	Contracts Goal	To date	Futures Index	Call	Put
15	Mar-99	1.775	-0.062	55%		200		200	16.85	60	95	0
46	Apr-99	1.815	-0.051	44%		300		300	15.5	55	85	0
76	May-99	1.852	-0.039	37%		400		400	15.2	50	100	0
107	Jun-99	1.880	-0.031	34%		400		400	15.3	40	90	0
137	Jul-99	1.910	-0.021	32%		400		400	15.2	40	52	0
168	Aug-99	1.935	-0.020	33%		400		400	15.2	25	33	15
199	Sep-99	1.960	-0.018	32%		400		400	15.2	22	0	12
229	Oct-99	2.011	-0.012	33%		400		400	15.2	15	20	10
260	Nov-99	2.017	-0.017	32%		400		400	15.2	35	20	0
290	Dec-99	2.338	-0.013	32%		400		400	15.2	0	25	0
321	Jan-00	2.403	-0.012	32%		400		400	15.2	0	35	0
352	Feb-00	2.325	-0.010	32%		400		400	15.2	0	22	0

Fig 1 Fig 2 Fig 3 Fig 4 Fig 5 Fig 6 Fig 7 Fig 8 Fig 9 Fig 10 Fig 11 Fig 12 Fig 13 Fig 14 Fig 15 Fig 16

FIG. 5

09641394.081800



**FIG. 6**

